# 506953147 11/01/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6999985

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MURTAZA BULUT	04/10/2018
MARCEL CORNELIS DIRKES	06/26/2018
MAARTEN PETRUS JOSEPH KUENEN	11/01/2021
CHARLES FREDERIK SIO	10/17/2017

#### **RECEIVING PARTY DATA**

Name:	KONINKLIJKE PHILIPS N.V.
Street Address:	HIGH TECH CAMPUS 52
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5656 AG

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16065259

## **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Email:** babbette.freeman@philips.com

Correspondent Name: PHILIPS IP&S

Address Line 1: 1600 SUMMER STREET

Address Line 4: STAMFORD, CONNECTICUT 06905

ATTORNEY DOCKET NUMBER:	2015P01227WOUS
NAME OF SUBMITTER:	RANDALL M. BERMAN
SIGNATURE:	/Randall M. Berman/
DATE SIGNED:	11/01/2021

## **Total Attachments: 4**

source=Bulut\_signed\_assignment#page2.tif source=Dirkes\_signed\_assignment#page1.tif

source=Kunnen\_signed\_Dec\_and\_Assignment#page1.tif

source=Sio\_signed\_assignment#page1.tif

PATENT REEL: 057982 FRAME: 0590

506953147

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

a place of business	at High Tech Campus 5,5656 .	ight, title, and interest in the following to I AE, Eindhoven, the Netherlands, its succe /ely "the Assignee") my/our invention for	ssors, assigns, and legal
•	y me/us on		
		ving a Serial No	
therewith, based the provisionals division	ereon, or claiming priority theo ons, continuations, continuation	her United States, foreign and internations refrom including, but not limited to, any an ns-in-part, re-examinations, reissues, and e e right, title, and interest in and to any and	nd all provisionals, non- extensions thereof, and the right to
	Patent when granted, solely to	officials in the United States and in any ar the Assignee(s), for its sole use, and that	
extent. Upon requi legal proceedings i	est at the expense of the Assign neluding patent prosecution ac e, or convenient for securing a	he Assignee to enjoy the foregoing right, t nee, I/we agree to execute all papers, take tions and infringement actions, and do all nd maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/	we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Marcel Cornelis DIRKES	, Assignor
Date 104/10/2018	(print name here)	Charles Frederik SIO	, Assignor
Date	(print name here)	Martaza BULUP	, Assignor
Date	(print name here)	Maarten Petrus Joseph KUENEN	. Assignor

Page 1 of 1

PATENT REEL: 057982 FRAME: 0591 applications.

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,
and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having
a place of business at High Tech Campus 5,5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal
representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:
is executed concurrently herewith
was executed by me/us on
was filed on, having a Serial No
was filed on. 22 Dec 2016, having an International Application No. PCT/EP2016/082367,
and all rights in and to said application, and all other United States, foreign and international patent applications associated
therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-
provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to
claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

26-06-2018	Marcel Dirkes		
Date	(print name here)	Marcel Cornelis DIRKES	, Assignor
Date	(print name here)	Charles Frederik SIO	, Assignor
Date	(print name here)	Murtaza BULUT	, Assignor
Date	(print name here)	Maarten Petrus Joseph KUENEN	, Assignor

Page 1 of 1

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

a place of busines		right, title, and interest in the following to K	coninklijke Philips N.V., having
a hrace or origines	s at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its success	ssors, assigns, and legal
representatives, in	scluding any nominees (collecti	ively "the Assignee") my/our invention for	which an application:
is executed co	ncurrently herewith		
was executed	by me/us on	***************************************	
was filed on	, ha	aving a Serial No	***********
was filed on. 2	2 Dec 2016, having an Internat	tional Application No. PCT/EP2016/08236	7,
and all rights in a	nd to said application, and all o	ther United States, foreign and international	patent applications associated
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provisionals divis	ions, continuations, continuatio	ns-in-part, re-examinations, reissues, and e	ttensions thereof, and the right to
claim priority thes	eto, and the entire and exclusiv	e right, title, and interest in and to any and :	all patents granted on these
applications.			
I/We authorize an	d request that the Patent Office	officials in the United States and in any and	d all foreign countries to issue
any and all Letters	s Patent when granted, solely to	the Assignec(s), for its sole use, and that of	f its successors, assigns, and
legal representativ	res.		
I/We will provide	my/our cooperation to enable t	he Assignee to enjoy the foregoing right, tit	le, and interest to the fullest
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**RECORDED: 11/01/2021** 

REEL: 057982 FRAME: 0594

Docket No. 2015P01227WOUS **VZZICHWENL** taiot/slo2 .A.2.U **PATENT** 

representatives, including any nominees (collectively "the Assignee") my'our invention for which an application:
a place of business at High Tech Campus 5,5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal
and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having
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diwered concurrently herewith

.zaoiisəilqqs claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these provisionals divisions, confinuations, confinuations-in-part, re-examinations, reissues, and extensions thereof, and the right to therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals; nonand all rights in and to said application, and all other United States, foreign and international patent applications associated

legal representatives. any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and I/We surhorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue

thereto in the Assignee. necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting fitle legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be extent. Upon request at the expense of the Assignee, I'we agree to execute all papers, take all rightful oaths, testify in all I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest

MWe certify that I'we have the full right to convey the above rights.

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nongiesA ,	Marcel Carnells DIKESS	(print name here)	Date CLOCK AND
		(ទាំទ្ធារ ពង្គពេក (ទាំទេ)	

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